

PATENT APPLICATION: US/09/912,559

DATE: 11/26/2001 TIME: 12:42:26

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3 <110> APPLICANT: ROEMISCH, JUERGEN
         STOEHR, HANS-ARNOLD
 5
         FEUSSNER, ANNETTE
        LANG, WIEGAND
       WEIMER, THOMAS
7
        BECKER, MARGRET
        NERLICH, CLAUDIA
        MUTH-NAUMANN, GUDRUN
10
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15 <130> FILE REFERENCE: 06478.1457
17 <140> CURRENT APPLICATION NUMBER: 09/912,559
18 <141> CURRENT FILING DATE: 2001-07-26
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21 <151> PRIOR FILING DATE: 2000-07-26
23 <150> PRIOR APPLICATION NUMBER: DE 100 50 040.4
24 <151> PRIOR FILING DATE: 2000-10-10
26 <150> PRIOR APPLICATION NUMBER: DE 100 52 319.6
27 <151> PRIOR FILING DATE: 2000-10-21
29 <150> PRIOR APPLICATION NUMBER: DE 101 18 706.8
30 <151> PRIOR FILING DATE: 2001-04-12
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DATE: 11/26/2001 TIME: 12:42:26

Input Set : A:\64781457.app

Output Set: N:\CRF3\11212001\I912559.raw

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	Val	GTA	Lys		Ala	Cys	GIY	Pile	25	Leu	mec	Ser	пеа	30	GIU	001
120				20						_	_	_			a1	
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121	Dro	Cvie	Glu	Uic	Clv	Glv	Asn	Cvs	Len	Va l	His	Glv	ser	Thr	Phe	Thr
132	PIO	Cys	GIU	nis	85	011	пор	0,10	Dou	90		1			95	
132	_			-		D	Dho	Cor	C1		Tvc	Cve	Cln	Lys		Gln
	Cys	ser	Cys		нта	PIU	FIIE	Ser	105	ASII	БуЗ	0,10	0111	110		0.2
135				100		_	_	~			a1	a1 -	a		т1 о	mb m
137	Asn	Thr		Lys	Asp	Asn	Pro	Cys	GIA	Arg	GIA	GIII	125	Leu	TTE	1111
138			115					120	_					_		
140	Gln	Ser	Pro	Pro	Tyr	Tyr		Cys	Val	Cys	Lys	His	Pro	Tyr	Thr	GTA
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	m b	tto 1		Cln	II i c	λla	Cve		Tur	Trn	Agn	Ser		Leu	Len	Leu
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DATE: 11/26/2001 PATENT APPLICATION: US/09/912,559 TIME: 12:42:26

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Output Set: N:\CRF3\11212001\1912559.raw

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225 227 228 229 231 232 234 245 241 243 244 246 247 249 252 253 255	<21: <400 Met 1 Val Leu Tyr Pro 65 Pro Cys	33> OI Phe Gly Asp Asn 50 Asp Cys Ser Thr	RGANNEQUELA Ala Lys Pro 35 Gln Trp Glu Cys Cys 115 Pro	ISM: NCE: Arg Thr 20 Asp Glu Tyr His Leu 100 Lys	4 Met 5 Ala Trp Glu Tyr Gly 85 Ala Asp	Ser Cys Thr Asn Thr 70 Gly Pro Asn	Asp Gly Pro Thr 55 Glu Asp Phe Pro Arg 135	Leu Phe Asp 40 Ser Asp Cys Ser Cys 120 Cys	Ser 25 Gln Ser Gln Leu Gly 105 Gly Val	10 Leu Tyr Thr Ala Val 90 Asn Arg	Met Asp Leu Asp 75 His Lys Gly	Ser Tyr Thr 60 Pro Gly Cys Gln His 140	Leu Ser 45 His Cys Ser Gln Cys 125 Pro	Leu 30 Tyr Ala Gln Thr Lys 110 Leu	Glu Glu Glu Pro Phe 95 Val Ile	Ser Asp Asn 80 Thr Gln Thr

258 Asn Gly Ala Thr Cys Ser Arg His Lys Arg Arg Ser Lys Phe Thr Cys 165 170

261 Ala Cys Pro Asp Gln Phe Lys Gly Lys Phe Cys Glu Ile Gly Ser Asp

259

DATE: 11/26/2001

PATENT APPLICATION: US/09/912,559 TIME: 12:42:26

Input Set : A:\64781457.app
Output Set: N:\CRF3\11212001\I912559.raw

262				180					185					190		
	Asp	Cys		Val	Gly	Asp	Gly		Ser	Tyr	Arg	Gly	Lys 205	Met	Asn	Arg
265	ml-	12-1	195	a1	**4 -	210	Cura	200	m	Trp	n an	cor		T 011	LOU	Lou
268	Thr	210	ASII	GIII	HIS	міа	215	ьец	TAT	ттр	ASII	220	птэ	пеп	пеа	цеи
	G1n		Δsn	Tur	Asn	Met		Met	Glu	Asp	Ala		Thr	His	Glv	Ile
	225	014		-1-		230					235					240
		Glu	His	Asn	Phe	Cys	Arg	Asn	Pro	Asp	Ala	Asp	Glu	Lys	Pro	Trp
274	_				245					250					255	
276	Cys	Phe	Ile	Lys	Val	Thr	Asn	Asp		Val	Lys	Trp	Glu		Cys	Asp
277				260					265					270	_	_
	Val	Ser		Cys	Ser	Ala	Gln		Val	Ala	Tyr	Pro		Glu	Ser	Pro
280	m1	a1	275		mba	T	T 011	280	C1 11	Phe	Aan	cor	285	G1 v	T.ve	Thr
282	Thr	290	Pro	ser	Thr	гаг	295	PIO	GIY	Pile	MSP	300	Cys	СТУ	пуз	1111
	Glu		Ala	Glu	Ara	Lvs		Lvs	Ara	Ile	Tvr		Glv	Phe	Lvs	Ser
	305				5	310		-1-	5		315	- 1			•	320
		Ala	Gly	Lys	His	Pro	Trp	Gln	Ala	Ser	Leu	Gln	Ser	Ser	Leu	${\tt Pro}$
289					325					330					335	
	Leu	Thr	Ile		Met	Pro	Gln	Gly		Phe	Cys	Gly	Gly		Leu	Ile
292				340		_	_,		345			ml		350		m1
	His	Pro		Trp	Val	Leu	Thr	360	АТА	His	Cys	Thr	365	TTE	гаг	Thr
295	Ara	uio	355	T.v.e	Va1	Va 1	T011		Asn	Gln	Asp	Len		Lvs	Glu	Glu
298	nry	370	ьси	БуЗ	·uı	·u.	375	OL,	шр	0111	P	380	-1-	-1-		
	Phe	His	Glu	Gln	Ser	Phe	Arg	Val	Gln	Lys	Ile	Phe	Lys	Tyr	Ser	His
301	385					390					395					400
	$_{\mathtt{Tyr}}$	Asn	Glu	Arg		Glu	Ile	Pro	His	Asn	Asp	Ile	Ala	Leu		Lys
304	_	_	_		405					410	a1	a	*	m	415	T
306	Leu	Lys	Pro	420	Asp	GTA	His	cys	425	Leu	GIU	ser	Lys	430	Val	ьуѕ
	Thr	Val	Cve		Pro	Δen	Glv	Ser		Pro	Ser	Glv	Ser		Cvs	His
310	1111		435	шец			011	440				1	445		- 2 -	
312	Ile	Ser	Gly	Trp	Gly	Val	Thr	Glu	Thr	Gly	Lys	Gly	Ser	Arg	Gln	Leu
313		450					455					460				
		Asp	Ala	Lys	Val		Leu	Ile	Ala	Asn		Leu	Cys	Asn	Ser	
	465			_		470			_		475	-1.	a		a1	480
318	GIn	Leu	Tyr	Asp	485	met	ire	Asp	ASP	Ser	met	TTE	Cys	мта	495	ASII
	Leu	Gln	T.ve	Pro		G1n	Δen	Thr	Cvs	Gln	Glv	Asp	Ser	G1 v		Pro
322	пец	3111	213	500	JLY	32.11			505	5111	1			510		
	Leu	Thr	Cys		Lys	Asp	Gly	Thr	Tyr	Tyr	Val	Tyr	Gly	Ile	Val	Ser
325			515					520					525			
	${\tt Trp}$		Leu	Glu	Cys	Glu		Arg	Pro	Gly	Val		Thr	Gln	Val	Thr
328	_	530	_			-1	535		m b	*1-		540	c1		C1	Dho
		Phe	Leu	ASN	Trp	550	ьys	Ala	rnr	Ile	Lys 555	ser	GIU	ser	сту	560
331	545					220					223					200

VERIFICATION SUMMARY

DATE: 11/26/2001 PATENT APPLICATION: US/09/912,559 TIME: 12:42:27

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